

10/533330

Attorney Docket No. 305832-00112

JC17 Rec'd PCT/PTO 02 MAY 2005

## IN THE UNITED STATES PATENT &amp; TRADEMARK OFFICE

International Application No.: PCT/GB2003/004705

International Filing Date: 30 October 2003

First Named Inventor: Stephen NAJDA

Title: QUANTUM WELL INTERMIXING IN  
SEMICONDUCTOR PHOTONIC DEVICES

CUSTOMER NO.: 43138

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Date of Deposit: May 2, 2005

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 Laura Nettleton

**FEE TRANSMITTAL FOR SUBMISSION TO ENTER THE NATIONAL STAGE**  
**UNDER 35 U.S.C. §371**

Dear Sir:

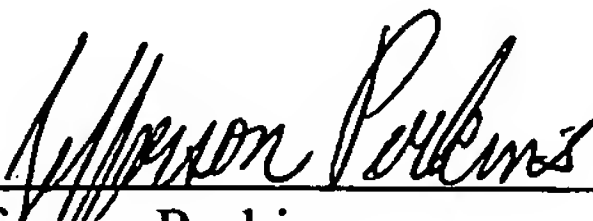
Applicant calculates the fees associated with the enclosed papers as follows:

37CFR Section	Fee Code	Fee Description	Fee Paid
1.492(a)(5)	1631	Basic National Stage Fee, Large Entity	\$300.00
1.492(b)(2)	1632	National Stage Search Fee, US not ISA, ISR transmitted to USPTO, Large Entity	\$400.00
1.492(c)(2)	1633	National Stage Examination Fee, Large Entity	\$200.00
1.492	1614	Independent Claims in excess of three (1 - 3) x \$200.00 =	\$0.00
1.492	1615	Total Claims in excess of twenty (23 - 20) x \$50.00	\$150.00
		<b>Total</b>	<b>\$1,050.00</b>

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A check to the Director of the United States Patent and Trademark Office is enclosed for the above fees. The Commissioner is hereby directed to charge any deficiency, or to credit any overpayment, to Deposit Account No. 503138 of Daspin & Aument LLP.

Respectfully submitted,

  
\_\_\_\_\_  
Jefferson Perkins  
Registration No. 31,407

DASPIN & AUMENT, LLP  
210 West 22<sup>nd</sup> Street, Suite 102  
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Telephone: (630) 990-4503

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

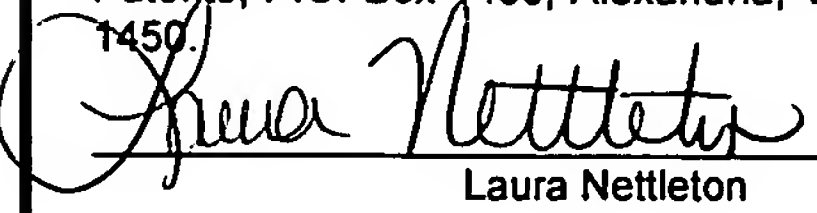
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Priority Date: 2 November 2002

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<p>"Express Mail" Mailing Label</p> <p>No. <u>EB 909 122 403 US</u></p> <p>Date of Deposit <u>2 May 2005</u></p> <p>I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p></p> <p>Laura Nettleton</p>
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Alexandria, VA 22313-1450

**TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED  
OFFICE (DO/EO/US) CONCERNING ENTRY INTO THE NATIONAL STAGE UNDER  
35 U.S.C. § 371**

Applicant herewith submits to the DO/EO/US the following items and other information:

1. X This is a FIRST submission of items under 35 U.S.C. §371.
2. \_\_\_\_ This is a SECOND or SUBSEQUENT submission of items under 35 U.S.C. §371.
3. X This is an express request to begin national examination procedures under 35 U.S.C. §371.
4. \_\_\_\_ The US has been elected (Article 31).

5. A copy of the International Application, as published under WO 2004/042801 A2 on 21 May 2004:

- a. X is attached hereto.
- b. X has been communicated by the International Bureau.
- c.     is not required as the application was filed in the United States Receiving Office (US/RO).

6.     An English language translation of the International Application as filed (35 U.S.C. § 371 (c)(2):

    is attached hereto.

    has been previously submitted to obtain Provisional Rights under 35 U.S.C. §154(d)(4).

7. Amendments to the claims of the International Application under PCT Article 19:

    are attached hereto.

    have been communicated by the International Bureau.

X have not been made and will not be made.

8.     An English language translation of the amendments to the claims under PCT Article 19.

9.     A Declaration of the Inventor(s), 35 U.S.C. §371(c)(4).

10.     An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).

11.     An Information Disclosure Statement and Listing of References.

- a.     Copies of those references which are not US patents or published US patent applications.

12.     An assignment document for recording, including a recordation cover sheet.

13. ☒ A preliminary amendment, to be entered prior to calculating the fees associated with entry into the National Stage under 35 U.S.C. §371.

14. ☐ An Application Data Sheet under 37 CFR §1.76.

15. ☐ A substitute specification.

16. ☐ A power of attorney

a. ☐ as including a certification of assignee under 37 CFR § 3.73(b).

17. ☒ Applicant claims priority to United Kingdom (GB) Application No. 0225586.7 filed 2 November 2002.

A certified copy of this application has been furnished to the International Bureau.

18. ☒ A fee transmittal form under cover of which the Basic Fee (37 CFR § 1.492(a)) and other applicable fees are submitted.

19. ☐ Applicant asserts Small Entity Status for the purposes of prosecuting this patent application.

20. ☐ Other:

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Please direct all correspondence with respect to this Application to

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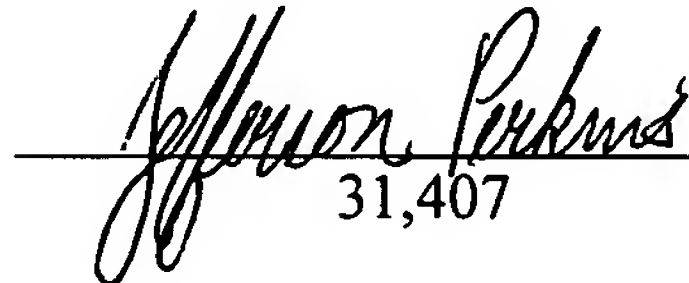
**CUSTOMER NUMBER: 43138**

Signature of Registered Attorney:

Name: Jefferson Perkins

Signature:

Registration No.:

  
31,407

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